

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	7	(bus or finger) with (back or rear) with (current collection)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/20 16:18
L6	116268	(bus or finger) with (back or rear)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/20 16:18
L7	12723	136/243-265.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/20 16:18
L8	12723	L7	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/20 16:18
L9	439	6 and 7	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/20 16:19
L10	278	9 and (interconnect or lead)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/20 16:19
L11	56	9 and ((interconnect or lead) with series)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/20 16:19
L12	1355	136/251.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/20 17:20
S1	8	("20020148499" "20030000571" "20030006730" "4057439" "5478402" "6265242" "6479744" "6710239").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 13:19
S2	330	(136/243-265.ccls.) and (solder) and bus	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 13:45
S3	250	(136/243-265.ccls.) and (solder) and bus and (lead or interconnect)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 13:45
S4	57	(136/243-265.ccls.) and ((solder) same bus same (lead or interconnect))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 13:45
S5	73	(Fujii near1 shuichi or toshihiko near1 kaneko or takashi near1 tsuge or katsuhiko near1 shirasawa).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 14:01
S6	8	S5 and (solar or photovoltaic)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 14:01

S7	15	(136/243-265.ccls.) and ((solder) with (center\$3 or middle) with (electrode or contact or bus))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 14:09
S8	8	(136/243-265.ccls.) and ((solder) with (center\$3 or middle) with (lead))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 14:13
S9	30	(136/243-265.ccls.) and ((solder) with (center\$3 or middle))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 14:14
S10	15	S9 not S7	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 14:15
S11	1	(136/243-265.ccls.) and ((solder) with (spacing) with (electrode or contact or bus))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 14:16
S12	753	(136/243-265.ccls.) and ((center\$3 or middle or spacing) with (electrode or contact or bus or lead))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 14:17
S13	20	(136/243-265.ccls.) and ((adhesive or paste) with (center\$3 or middle or spacing) with (electrode or contact or bus or lead))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 14:17
S14	69	(solar or photovoltaic) and ((adhesive or paste) with (center\$3 or middle or spacing) with (electrode or contact or bus or lead))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 14:23
S15	112	(solar or photovoltaic) and ((solder or adhesive or paste) with (center\$3 or middle or spacing) with (electrode or contact or bus or lead))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 14:24
S16	78	S15 not (136/243-265. ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 14:24

S17	16	((solar or photovoltaic) and ((solder or adhesive or paste) with (center\$3 or middle or spacing) with (electrode or contact or bus or lead))	FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/22 14:31
S18	7202	((solder or adhesive or paste) with (center\$3 or middle or spacing) with (electrode or contact or busbar or bus bar or bus-bar))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/22 14:35
S19	2889	((solder) with (center\$3 or middle or spacing) with (electrode or contact or busbar or bus bar or bus-bar))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/22 14:35
S20	2215	((solder) with (center\$3 or middle) with (electrode or contact or busbar or bus bar or bus-bar))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/22 14:35
S21	423	((solder) with (center\$3 or middle) with (electrode or contact or busbar or bus bar or bus-bar)) same (damag\$3 or prevent\$3 or advantag\$3 or disadvantag\$3 or benefit\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/22 14:36
S22	106	((solder) with (center\$3 or middle) with (electrode or contact or busbar or bus bar or bus-bar)) same (advantag\$3 or disadvantag\$3 or benefit\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/22 14:36
S23	317	S21 not S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/22 14:48

S24	28	((solder) near1 (center \$3 or middle) with (electrode or contact or busbar or bus bar or bus-bar)) same (damag \$3 or prevent\$3 or advantag\$3 or disadvantag\$3 or benefit\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/22 14:49
S25	9	(136/243-265.ccls.) and (solder) and ((bus or electrode or contact) with (lead or interconnect) with siz \$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 14:56
S26	11	(136/243-265.ccls.) and (solder) and ((bus or electrode or contact) with (lead or interconnect) with (bigger or larger or smaller))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 14:57
S27	38	(solar or photovoltaic) and (solder) and ((bus or electrode or contact) with (lead or interconnect) with (bigger or larger or smaller))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 14:59
S28	27	S27 not S26	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 14:59
S29	3995	(solder) and ((bus or electrode or contact) with (lead or interconnect) with (bigger or larger or smaller or siz\$3 or width))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 15:10
S30	1626	((solder) with (bus or electrode or contact) with (lead or interconnect)) and ((bus or electrode or contact) with (lead or interconnect) with (bigger or larger or smaller or siz\$3 or width))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 15:10

S31	856	((solder) with (bus or electrode or contact) with (lead or interconnect)) and ((bus or electrode or contact) with (lead or interconnect) with (bigger or larger or smaller))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 15:11
S32	22	(solar or photovoltaic) and S31	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 15:11
S33	28	(solar or photovoltaic) and (solder with contract\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 15:15
S34	33	(solar or photovoltaic) and (solder with expansion coefficient)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 15:18
S35	102	(solar or photovoltaic) and (solder near1 resist)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 15:25
S36	93	(solar or photovoltaic) and (solder resist)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 15:25
S37	22	(solar or photovoltaic) and ((solder resist) with (electrode or contact))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 15:25
S38	10	(solar or photovoltaic) and ((solder resist) with (electrode or contact))	FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/22 15:35
S39	4	(solar or photovoltaic) and ((solder with contract\$3))	FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/22 15:39
S40	4	(solar or photovoltaic) and ((solder with shrink \$3))	FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2010/04/22 15:40
S41	31	(solar or photovoltaic) and ((solder with shrink \$3))	US-PGPUB; USPAT	ADJ	ON	2010/04/22 15:40
S42	2163	((solder with (shrink\$3 or contraction)))	US-PGPUB; USPAT	ADJ	ON	2010/04/22 15:45
S43	12	((solder with (shrink\$3 or contraction)) same bismuth)	US-PGPUB; USPAT	ADJ	ON	2010/04/22 15:45
S44	156	(solar or photovoltaic) and (solder with (stress or strain))	US-PGPUB; USPAT	ADJ	ON	2010/04/22 15:47

S45	278	(solar or photovoltaic) and (solder with (composition))	US-PGPUB; USPAT	ADJ	ON	2010/04/22 15:53
S46	126	(solar or photovoltaic) and (solder with (composition) and bismuth)	US-PGPUB; USPAT	ADJ	ON	2010/04/22 15:53
S47	115	(solar or photovoltaic) and (solder with (composition) and bismuth and tin)	US-PGPUB; USPAT	ADJ	ON	2010/04/22 15:53
S48	29	(solar or photovoltaic) and (solder with (composition) same bismuth and tin)	US-PGPUB; USPAT	ADJ	ON	2010/04/22 15:54
S49	29	(solar or photovoltaic) and (solder with (composition) same bismuth same tin)	US-PGPUB; USPAT	ADJ	ON	2010/04/22 15:54
S50	31	(solar or photovoltaic) and (solder with (shrink \$3))	US-PGPUB; USPAT	ADJ	ON	2010/04/22 16:08
S51	3	(solar or photovoltaic) and (solder with (shrink \$3))	EPO; JPO	ADJ	ON	2010/04/22 16:10
S52	3	(solar or photovoltaic) and (solder and (shrink \$3))	EPO; JPO	ADJ	ON	2010/04/22 16:10
S53	1182	(solar or photovoltaic) and (solder) and (busbar or bus)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 16:19
S54	358	(solar or photovoltaic) and (solder) same (busbar or bus)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 16:19
S55	116	(solar or photovoltaic) and ((solder) same (busbar or bus)) and ((busbar or bus) with (back or rear))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 16:20
S56	10	(solar or photovoltaic) and ((solder) same (busbar or bus)) and ((busbar or bus) with (back or rear))	EPO; JPO	ADJ	ON	2010/04/22 16:41
S57	157	(solar or photovoltaic) and ((solder) same (busbar or bus)) and ((busbar or bus) with (interconnect or lead))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/04/22 16:43

S58	24	136/243-254.ccls. and (solder with (bi or bismuth))	US-PGPUB; USPAT	ADJ	ON	2010/04/23 15:58
S59	5	136/243-254.ccls. and (solder with (contraction))	US-PGPUB; USPAT	ADJ	ON	2010/04/23 16:12
S60	17280	(lead or interconnect or bus) with (Accuracy or percision or percise or accruate)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/16 23:35
S61	232	(lead or interconnect or bus) with (Accuracy or percision or percise or accruate) with (central or center)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/16 23:36
S62	4	(lead or interconnect or bus) with (Accuracy or percision or percise or accruate) with (central or center) same solder	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/16 23:36
S63	10	(lead or interconnect or bus) with (Accuracy or percision or percise or accurate or accurately) with (central or center) same solder	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/16 23:37
S64	10	(lead or interconnect or bus) with (Accuracy or percision or percise or accurate or accurately or percisely) with (central or center) same solder	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/16 23:38
S65	1467	(lead or interconnect or bus) with (Accuracy or percision or percise or accurate or accurately or percisely) with (speed or fast or quick\$2)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/16 23:40
S66	9	(lead or interconnect or bus) with (Accuracy or percision or percise or accurate or accurately or percisely) with (speed or fast or quick\$2) same solder	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/16 23:40

S67	22	(lead or interconnect or bus) with (off or aligned or aligning or alignment) with (speed or fast or quick\$2) same solder	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/17 12:45
S68	0	(lead or interconnect or bus) with (off or "not" or non) near1 (center or centered or central or aligned or aligning or alignment) with (speed or fast or quick\$2) same solder	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/17 12:48
S69	1338	(lead or interconnect or bus) with (off or "not" or non) near1 (center or centered or central or aligned or aligning or alignment)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/17 12:49
S70	39	(lead or interconnect or bus) with (off or "not" or non) near1 (center or centered or central or aligned or aligning or alignment) same solder	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/17 12:49
S71	268	(lead or interconnect or bus) with (askew or misaligned or misaligning or misalignment) same solder	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/17 12:52
S72	3	(lead or interconnect or bus) with (askew or misaligned or misaligning or misalignment) with (speed or fast or quick or quickly) same solder	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/17 12:54
S73	0	(lead or interconnect or bus) with (askew or misaligned or misaligning or misalignment) with (mass) same solder	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/17 12:55

S74	2	(lead or interconnect or bus) with (askew or misaligned or misaligning or misalignment) with (production) same solder	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/17 12:55
S75	0	(lead or interconnect or bus) with (askew or misaligned or misaligning or misalignment) with (scale) same solder	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/17 12:55
S76	6	(lead or interconnect or bus) with (askew or misaligned or misaligning or misalignment) with (large) same solder	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/17 12:55
S77	1	"12378891"	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/17 16:38
S78	2	"12379427"	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/17 19:59
S79	1	"20040144419"	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/18 13:37
S80	4465	(solar or photovoltaic) and foil and (cis or cigs or indium)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2011/08/18 13:58
S81	2215	(solar or photovoltaic) and (substrate with foil) and (cis or cigs or indium)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2011/08/18 13:59
S82	4	(solar or photovoltaic) and (substrate with foil) and (cis or cigs or indium)	EPO; JPO	ADJ	ON	2011/08/18 14:00
S83	9	(solar or photovoltaic) and (foil) and (cis or cigs or indium)	EPO; JPO	ADJ	ON	2011/08/18 14:00
S84	16	(solar or photovoltaic) and (substrate with aluminum) and (cis or cigs or indium)	EPO; JPO	ADJ	ON	2011/08/18 14:00
S85	15	(solar or photovoltaic) and (substrate with al) and (cis or cigs or indium)	EPO; JPO	ADJ	ON	2011/08/18 14:00
S86	40	S82 or S83 or S84 or S85	EPO; JPO	ADJ	ON	2011/08/18 14:01

S87	247	(solar or photovoltaic) and (cis or cigs) and (aluminum with foil with substrate)	US-PGPUB; USPAT	ADJ	ON	2011/08/18 14:08
S88	215	(solar or photovoltaic) and (cis or cigs) and (aluminum with foil with substrate) and (mo or molybdenum)	US-PGPUB; USPAT	ADJ	ON	2011/08/18 14:09
S89	186	(solar or photovoltaic) and (cis or cigs) and (aluminum with (polymer or plastic or resin) with substrate) and (mo or molybdenum)	US-PGPUB; USPAT	ADJ	ON	2011/08/18 14:25
S90	105	(solar or photovoltaic) and (cis or cigs) and (aluminum with foil with substrate) and ((multi or plurality or second) with (metal or mo or molybdenum))	US-PGPUB; USPAT	ADJ	ON	2011/08/18 14:30
S91	417	(solar or photovoltaic) and (cis or cigs) and (alloy with copper with indium)	US-PGPUB; USPAT	ADJ	ON	2011/08/18 14:56
S92	6	(bus or finger) with (back or rear) (contact or electrode) with (current collection)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/20 13:14
S93	1387	(bus or finger) with (back or rear) (contact or electrode)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/20 13:15
S94	12723	136/243-265.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/20 13:16
S95	131	S93 and S94	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/20 13:16
S96	794	(grid) with (back or rear) (contact or electrode)	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/20 13:26
S97	174	S96 and S94	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/08/20 13:26

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